

Screw Press

CROSS REFERENCE TO RELATED APPLICATION

JTW [0001] This is a continuation of U.S. Patent Application Serial No. ^{Now US Patent number 6,736,054,} 09/758,380, which was filed on January 10, 2001, by Hugues Dionne, titled "Screw Press", which in turn claimed priority from Canadian Patent Application No. 2,298,235, filed February 8, 2000.

FIELD OF THE INVENTION

[0002] The present invention relates to screw presses. More specifically, the present invention is concerned with a screw press provided with a rear excess fluid outlet.

BACKGROUND OF THE INVENTION

[0003] Screw presses are well known in the art. They are conventionally used for removing soluble and dispersible materials from products, for example, excess fluid from paper pulp. It is to be noted that, for concision purposes, the example of the paper pulp will be used throughout the present disclosure. This should not be construed as a limitation of the present invention.

[0004] The principle of operation of conventional screw presses is believed to be well known to those skilled in the art and will therefore only be briefly described herein.

[0005] A screw press is basically an endless screw provided with a conical shaft that compresses the pulp as it moves from an inlet to an outlet. The endless screw is enclosed in a body that is provided with a screened surface allowing the excess fluid to be expelled from the pulp.